

Date: Sat, 5 Mar 94 04:30:59 PST
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>
Errors-To: Ham-Space-Errors@UCSD.Edu
Reply-To: Ham-Space@UCSD.Edu
Precedence: Bulk
Subject: Ham-Space Digest V94 #48
To: Ham-Space

Ham-Space Digest Sat, 5 Mar 94 Volume 94 : Issue 48

Today's Topics:

ARLS011 Anniversary for AMSAT
GPS Receiver Boards
Mir (2 msgs)
NASA pictures
Satellite progs on World
STS-62 Element Set (94063.635)

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 1 Mar 94 13:53:12 GMT
From: nprdc!ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!
marcbg@network.ucsd.edu
Subject: ARLS011 Anniversary for AMSAT
To: ham-space@ucsd.edu

SB SPACE @ ARL \$ARLS011
ARLS011 Anniversary for AMSAT

ZCZC AS55
QST de W1AW
Space Bulletin 011 ARLS011
>From ARRL Headquarters
Newington, CT February 25, 1994
To all radio amateurs

SB SPACE ARL ARLS011

ARLS011 Anniversary for AMSAT

Anniversary for AMSAT

Congratulations to the Radio Amateur Satellite Corporation (AMSAT), which celebrates its 25th anniversary on March 3.

In early January 1969 a small group of interested amateurs began meeting in the Washington, D.C. area, with the idea of forming an East Coast group to carry on the objectives of Project OSCAR (Orbiting Satellite Carrying Amateur Radio).

They decided to form a non-profit corporation to disassociate the group's activities from any of the companies with whom the members were employed, which included IBM, the Applied Physics Lab of The Johns Hopkins University, and the National Aeronautics and Space Administration (NASA).

Nearly two dozen interested amateurs attended the first general organizational meeting, held on February 6, 1969.

Just two months later, on March 3, 1969, AMSAT was incorporated in the District of Columbia. The first public announcements appeared in April QST and in Autocall, a Washington, D.C.-area clubs publication.

Among AMSAT's founders (and members of the first board of directors) were George Jacobs, W3ASK; Perry Klein, W3PK; Jan King, W3GEY; and Bill Tynan, W3X0.

Today, AMSAT supports both amateur satellites and the SAREX (Shuttle Amateur Radio Experiment) program.

NNNN

/EX

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      Marc B. Grant      Voice Mail: 214-246-1150
      marcbg@netcom.com  Amateur Radio N5MEI
      marcbg@esy.com
=====
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Date: Fri, 4 Mar 1994 16:31:44 GMT

From: news.acns.nwu.edu!math.ohio-state.edu!howland.reston.ans.net!noc.near.net!

ns.draper.com!news.draper.com!jwy1294a.draper.com!jyoungberg@network.ucsd.edu
Subject: GPS Receiver Boards
To: ham-space@ucsd.edu

I've followed various GPS threads as they've come and gone. In order to pose volume/price arguments to folks in the business, what would be the size of the amateur market for GPS engines?

Presume an engine consists of the entire RX, minus antenna, including a data port (probably NMEA 0183), on a PC board. Examples are currently manufactured by Rockwell, Magellan, Canadian Marconi, Plessey, and Trimble, among others. Marketed in the \$500 class for single-unit quantities.

Skip, K1NKR

Date: Thu, 3 Mar 1994 17:40:47 GMT
From: ihnp4.ucsd.edu!swrinde!gatech!europa.eng.gtefsd.com!emory!rsiatl!ke4zv!gary@network.ucsd.edu
Subject: Mir
To: ham-space@ucsd.edu

In article <Troyce-020394085113@idmb-secretary.tamu.edu> Troyce@bio.tamu.edu (Troyce) writes:

>According to the latest orbital data, the Mir should be orbiting almost
>directly overhead of me late Friday morning and only about 389 km in
>distance. Would I have any real chance of picking them up (if they're
>transmitting) using only a HT, or would I need a base rig and satellite
>antenna?

The HT should work. Try to get on a high rooftop to increase your horizon. A better antenna than the typical duck would be a big help though. Even a homemade J-pole should suffice.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

Date: 3 Mar 1994 20:01:03 GMT
From: news.acns.nwu.edu!math.ohio-state.edu!howland.reston.ans.net!
europa.eng.gtefsd.com!news.umbc.edu!cs.umd.edu!mojo.eng.umd.edu!

tedwards@network.ucsd.edu
Subject: Mir
To: ham-space@ucsd.edu

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>antenna?

You have a very good chance of hearing MIR on an HT...but keep in mind they are usually doing packet. I have heard MIR on an HT during a voice QSO with W3EAX. All LEO sats can be definately heard with a mag-mount quarter-wave or 5/8 wave vertical, no problem. You only really need satellite antennas to hear elliptical orbit sats such as AO-13.

You have little chance of making it through the typical pileup into either packet or voice modes with an HT. If you were the only ham within the line-of-sight, you might have a chance to hit them, depending on MIR orientation to you.

-Thomas
N3HAU

Date: 4 Mar 1994 15:28:24 GMT
From: news.acns.nwu.edu!math.ohio-state.edu!howland.reston.ans.net!torn!nermal.cs.uoguelph.ca!herman.cs.uoguelph.ca!jdoherty@network.ucsd.edu
Subject: NASA pictures
To: ham-space@ucsd.edu

Does anyone know where to find the satellite pictures of the moon, and other things, that are currently being received from NASA's Clementine probe? I heard on the news last night that these pics were available on the Internet...

Please email: jdoherty@uoguelph.ca

Thanks,
John

Date: 1 Mar 94 11:13:11 GMT
From: nprdc!ihnp4.ucsd.edu!agate!howland.reston.ans.net!pipex!bbc!ant!

boyer@network.ucsd.edu
Subject: Satellite progs on World
To: ham-space@ucsd.edu

Scott Ehrlich (wylz@netcom.com) wrote:

: I have now placed some satellite tracking programs on World:

: - stsplus.zip

: - stsortbit.zip

: - traksat {trak300a.zip & trak300b.zip} (latest version of traksat)

: They are available via anonymous FTP via

: ftp ftp.std.com:/pub/hamradio/pc/satellite

Just a short comment. I have traksat and it is really great and dead easy to use.

John B
John.boyer@rd.eng.bbc.co.uk

Date: Thu, 3 Mar 1994 23:15:33 GMT
From: telesoft!garym@uunet.uu.net
Subject: STS-62 Element Set (94063.635)
To: ham-space@ucsd.edu

STS-62
1 00062U 94063.63594965 .00073440 00000-0 22129-3 0 30
2 00062 39.0115 248.5979 0006644 298.2691 61.7477 15.90695888 23

Satellite: STS-62

Catalog number: 00062

Epoch time: 94063.63594965 (04 MAR 94 15:15:46.05 UTC)

Element set: 003

Inclination: 39.0115 deg

RA of node: 248.5979 deg

Eccentricity: .0006644

Arg of perigee: 298.2691 deg

Mean anomaly: 61.7477 deg

Mean motion: 15.90695888 rev/day

Decay rate: 7.3440e-04 rev/day*2

Epoch rev: 2

Space Shuttle Flight STS-62
Prelaunch Element set JSC-003
Launch: 04 MAR 94 13:53 UTC

G. L. Carman

NASA Johnson Space Center

(for Shuttle Elements subscription info, email: listserv@alsys.com)

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San Diego, CA, USA	Phone: +1 619-457-2700

End of Ham-Space Digest V94 #48
